AEE(YDR)/SBR/15/2017-18, dt: 29.07.2017

Original/Duplicate/Triplicate

P.W.G. 17 NO — 1st & Final Bill

**CONTRACT CERTIFICATE**

Reference paras

Division: **RR Nagar** — Sub division: **Yeshwanthapura** — Date

Bills received No: 0148 Date: 29/07/17 — Sub-divisional — Cash book vr No

Divisional — Date

Sheduled Docket No — Head of account

Name of work(as per sanctioned estimate) :-

**NAME OF WORK :** CONSTRUCTION OF GYM BUILDING AND LIBRARY BUILDING AT JALAHALLI IN WARD NO. 16

Name of contractor and full address :- **M Manjunath**

Reference to agreement No :- **Estimated cost : 30.00 lakhs** **Work order No : 107/2014-15**

Certified that the measurments were taken by me on 19/5/2017 and recorded on pages **524667** to **524680** of measurment book No. 524/2016-17

Signature of contractor M. Manjunath — Assistant Engineer

Certified that the measurments were taken by me on 22.05.17 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

**II MEMORANDUM OF PAYMENT**

| | |
|---|---|
| 1) Total value of work done or supplies as per A/c within | 26,53,500 |
| 2) Deduct amount to be held in reserve being-----percent Rs----------%--------- | |
| 3) Balance--- | IT 26535=00 |
| **4) Deduct payments** | cess 26535=00 |
| a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted | CSF 26550=00 |
| b) Cost of payments/stores or other materials supplied now made recovery of amount | FSD 132675=00 |
| Amount paid on this bill by cheque/cash | VAT 106140=00 |
| Total | LK 03506=00 |
| 5). Balance being unpaid value of work done held in reserve | 35 3500 |
| 6) Deduct cash of advance made on divisional/sub divisional cash book | 23,00,000 |
| 7) Net amount due to or from contractor. | |
| **UN ADJUSTED ITEMS** | |
| 8) Advance to contractor for materials to site(as detailed within) | |
| 9) Value of government materials supplied. | |
| **TOTAL AMOUNT UN-ADJUSTED** | |

**Contractor's signatures**

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1) M. Manjunath

2)

Reciept Stamp

Dated signature of contractor

paid by me cheque No dated

Cash Rs.....

Date — Initials of officer making payment

Admitted Rs. 26,53,500-

Cheque Rs. 23,00,000=00

Twenty Three lakhs only.

Adjustment Rs 35,3500-

Date — Case worker — Accounts Superintendent — Executive Engineer — Executive Engineer

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| Sl. No | Items grouped under Sub-heads and sub-works of the estimate | Unit | Previous Measurement | | Present Measurement | | | Total Up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Cost | Qty | Rate | Amount | Qty | Cost |
| 1 | Earth work Excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications | Cum | - | - | 132.83 | 190.00 | 25237.70 | 132.83 | 25237.70 |
| 2 | KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 | Cum | - | - | 26.46 | 5800.00 | 153468.00 | 26.46 | 153468.00 |
| 3 | KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 | Cum | - | - | 31.88 | 4464.00 | 142312.32 | 31.88 | 142312.32 |

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| 4 | KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 | Cum | - | - | 67.67 | 6691.00 | 452779.97 | 67.67 | 452779.97 |
| 5 | KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 | Sqm | - | - | 87.42 | 255.00 | 22292.10 | 87.42 | 22292.10 |
| 6 | KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 | Sqm | - | - | 60.06 | 393.00 | 23603.58 | 60.06 | 23603.58 |
| 7 | KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors , roofs, landings, balconies and likes, thicness above 200mm including cost of all materials , labour complete as per specifications. | Sqm | - | - | 196.38 | 414.00 | 81301.32 | 196.38 | 81301.32 |

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| 8 | KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks ) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. | Sqm | | | 223.71 | 1099.00 | 245857.29 | 223.71 | 245857.29 |
| 9 | KSRB 5-7.2 : Construction of partition walls 11.2cms thick with nonmodular table moulded burnt bricks of class designation 50 with cement mortar 1:4 including providing and fixing plaster mesh manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm, 100mm wide as per IS 2212/1991 at 7.5 including cost of mayerials , labour charges , scaffolding, curing complete as per specifications | Sqm | - | - | 22.80 | 906.00 | 20656.80 | 22.80 | 20656.80 |
| 10 | KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 | Sqm | | | 18.72 | 290.00 | 5428.80 | 18.72 | 5428.80 |
| 11 | KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plainchajjaof 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 | Sqm | - | - | 20.16 | 517.00 | 10422.72 | 20.16 | 10422.72 |
| 12 | KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 | Sqm | - | - | 26.28 | 505.00 | 13271.40 | 26.28 | 13271.40 |

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| 13 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 | MT | | | 8.00 | 75358.00 | 602864.00 | 8.00 | 602864.00 |
| 14 | KSRB 15.3.1Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. | Sqm | - | - | 184.31 | 190.00 | 35018.90 | 184.31 | 35018.90 |
| 15 | KSRB 15.3.1Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. | Sqm | - | - | 193.24 | 175.00 | 33817.00 | 193.24 | 33817.00 |
| 16 | KSRB15-3.10 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. | Sqm | | | 374.22 | 208.00 | 77837.76 | 374.22 | 77837.76 |
| 17 | KSRB15-3.10 : Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. | Sqm | - | - | 21.84 | 221.00 | 4826.64 | 21.84 | 4826.64 |
| 18 | KSRB 4-2.12 : Extra for providing throating for drip mpulding to R.C.C Chajja with plastering ( labour charges only ) as per specifications. Specification No. KB | Mtr | | | 57.60 | 19.00 | 1094.40 | 57.60 | 1094.40 |

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| 19 | Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. | Sqm | | | 170.87 | 1196.00 | 204360.52 | 170.87 | 204360.52 |
| 20 | KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface ( excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 with Colour glazed tiles 30x45 cms 6mm thick with border of size 30 x 10 cms. | Sqm | | | 17.77 | 1097.00 | 19493.69 | 17.77 | 19493.69 |
| 21 | KSRB 14-14-5 : Providing ceramic tiles of approved make, shade and sixe for flooring, treads of steps and lanidngs laid on a bed of 12mm thick, cement mortar ;+B207 mix flush pointing with white cement using colour pigments, including cost of materials labour curing complete as per specifications. Specification | Sqm | | | 3.60 | 1098.00 | 3952.80 | 3.60 | 3952.80 |
| 22 | Providing and fixing 20mm thick gang saw water cut sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing. | Sqm | | | 11.48 | 2125.00 | 24395.00 | 11.48 | 24395.00 |
| 23 | KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plainchajjaof 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications | Sqm | | | 87.24 | 580.00 | 50599.20 | 87.24 | 50599.20 |

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| 24 | KSRB 7.8 : Providing and fixing in position in cement concrete 1:3:6 steel galzed windows and ventilators side hung / top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of two coats of ready mix paint of approved make and including cost of materials, fixtures, labour charges and HOm of machinery complete as per specifications. | **Sqm** | | | 33.66 | 3530.00 | 118819.80 | 33.66 | 118819.80 |
| 25 | KSRB 7.3 : Providing and fixing 1mm thick M.S Sheet garage door with frame and diagonal braces of size 40x40x6mm angle iron, 3.15mm thick MS Gusset plates at the junctions and corners with handles, stoppers and looking arrangements etc, including applying a priming coat of red lead paint cost of materials, labour, HOM machinery complete as per specifications | **Sqm** | | | 7.56 | 3100.00 | 23436.00 | 7.56 | 23436.00 |
| 26 | Providing and fixing M.S. Hand railing for Balcony Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing. | **Sqm** | | | 9.15 | 3046.00 | 27870.90 | 9.15 | 27870.90 |
| 27 | KSRB 15.10.1 Providing white washing to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials , lbour , complete as per specifications | **Sqm** | | | 193.24 | 9.00 | 1739.16 | 193.24 | 1739.16 |

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| | KSRB 15-14.1 Providing and applying two coats with oil boundwashable distemper of approved brand and shade on wall surface including priming coat with distemper prmer after throughly brooming the surface free from mortar drops and other foriegn matter including preparing the surface even and and paper smoth cost of materials, labour complete as per specifications. | Sqm | | | 377.55 | 72.00 | 27183.60 | 377.55 | 27183.60 |
| 29 | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with Primer | Sqm | | | 374.22 | 80.00 | 29937.60 | 374.22 | 29937.60 |
| 30 | KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type ( Pedestal type, P-trap ) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern ( all are approved make ) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 | Each | | | 3.00 | 5752.00 | 17256.00 | 3.00 | 17256.00 |
| 31 | 11-11.3 : Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification | Each | | | 3.00 | 3121.00 | 9363.00 | 3.00 | 9363.00 |
| 32 | KSRB 11-15.14 Providing and fixing 450x350mm dia oval shape mirror with plastic moulded frame of approved make and shade with 6mm thick board backing including cost of materials , labour complete as per specifications | Each | | | 3.00 | 1021.00 | 3063.00 | 3.00 | 3063.00 |

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| | KSRB 13-6-1.1 Providing and fixing in position brass stop cock of approved quality 15mm nominal bore incldung cost of all materials, labour and HOM of equipments with all leads complete as per specifications | Each | | | 6.00 | 186.00 | 1116.00 | 6.00 | 1116.00 |
| 34 | KSRB 13-6-1.1 Providing and fixing in position brass bib cock of approved quality 15mm nominal bore incldung cost of all materials, labour and HOM of equipments with all leads complete as per specifications | Each | | | 6.00 | 253.00 | 1518.00 | 6.00 | 1518.00 |
| 35 | Providing and fixing 7.5cms to 15.00 cms dia NP grating 100mm dia ( p no. 92, I No - 12.111) | Each | | | 6.00 | 186.00 | 1116.00 | 6.00 | 1116.00 |
| 36 | Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). Of size 10cms x 7.5cms | Each | | | 6.00 | 332.00 | 1992.00 | 6.00 | 1992.00 |
| 37 | KSRB 13-6-4-3 : Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality 25mm nominal bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications | Each | | | 2.00 | 693.00 | 1386.00 | 2.00 | 1386.00 |
| 38 | KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity) Specification No.KBS 13.22 | Each | | | 2.00 | 9735.00 | 19470.00 | 2.00 | 19470.00 |
| 39 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) 20mm nominal OD pipes | Mtr | | | 39.00 | 580.00 | 22620.00 | 39.00 | 22620.00 |

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| 40 | KSRB 8.6-5 Providing and fixing on wall surface 2.5 kg / sq cm H.D.P.E rain down water pipes 110mm outer dia approved make and brand with ncessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials , labour, curing complete as per specifications. | Mtr | | | 34.00 | 533.00 | 18122.00 | 34.00 | 18122.00 |
| 41 | KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm and 450mm depth for single pipeline, using table moulded non modular bricks of class designation 50 in cement mortar 1:5 C.I cover withframe 455x610mm internal dimensions, total weight finish smooth with a floating coat of cement on walls and bed concrete complete as per specifications. | Each | | | 10.00 | 7260.00 | 72600.00 | 10.00 | 72600.00 |
| | **Total** | | | | | | **2653500.97** | | **2653500.97** |

**Certificate:**

Certified that the contractor has work done satisfactorily.
The contractor has removed the debries from work site.
There is no dept. materials issued to the contractor.

Assistant Engineer
ward 16 Jalajalli

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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